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PTO/SB/21 (09-04)  
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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/601,319	
	Filing Date	June 20, 2003	
	First Named Inventor	Jay M. SHORT	
	Art Unit	1652	
	Examiner Name	D. M. Ramirez	
Total Number of Pages in This Submission	8	Attorney Docket Number	564462001824

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement (3 pages) <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Form PTO/SB/08a/b (2 pages + duplicate) 23 References Return Receipt Postcard
<div>Remarks</div> <b>CUSTOMER NO. 45975</b>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	MORRISON & FOERSTER LLP		
Signature			
Printed name	Gregory P. Einhorn		
Date	June 16, 2005	Reg. No.	38,440

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: MS AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.	
Dated: June 16, 2005	Signature:  (Rhea Amid)

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: 6-16-05 Signature: *Rhea Amid*  
(Rhea Amid)

Patent  
Docket No. 564462001824

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of  
Jay M. SHORT et al.

Serial No.: 10/601,319

Filing Date: June 20, 2003

For: RECOMBINANT PHYTASES AND  
METHODS OF MAKING AND USING  
THEM



Examiner: D. M. Ramirez

Group Art Unit: 1652

**SUPPLEMENTAL INFORMATION DISCLOSURE  
STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO/SB/08a/b. Copies of foreign documents and non-patent literature are submitted herewith. The Examiner is requested to make these documents of record.

Document number 4 was cited in a related application by a Canadian patent examiner.

This Information Disclosure Statement is submitted:

- ☐ With the application; accordingly, no fee or separate requirements are required.
- ☐ Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
- ☒ Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
- ☐ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
  - ☐ A fee is required. A check in the amount of \_\_ is enclosed.
  - ☐ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
  - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly, no fee is believed to be due.
- ☐ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
  - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a check in the amount of \_\_ is enclosed.
  - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a Fee Transmittal form (PTO/SB/17 is attached to this submission in duplicate.)

Applicants would appreciate the Examiner initialing and returning the Form PTO/SB/08a/b, indicating that the information has been considered and made of record herein.

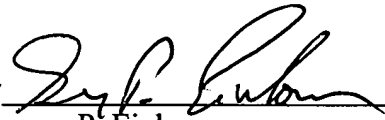
The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist;

(iii) the information, protocols, results and the like reported by third parties are accurate or enabling;  
or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent and Trademark Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. § 1.17 (p)) is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petition and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 564462001824.

Dated: June 16, 2005

Respectfully submitted,

By   
Gregory P. Einhorn

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ALTERNATIVE TO PTO/SB/08a/b (06-03)

<b>Substitute for form 1449/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/601,319
				Filing Date	June 20, 2003
				First Named Inventor	Jay M. SHORT
				Art Unit	1652
				Examiner Name	D. M. Ramirez
Sheet	1	of	2	Attorney Docket Number	564462001824

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	1.	US-5,750,135	05-12-1998	Schleicher et al.	
	2.	US-6,039,942	03-21-2000	Lassen et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	3.	GB-2316082	02/1998			
	4.	KR-99086028	12/1999			
	5.	WO-00/58481	10/2000			
	6.	WO-00/64247	11/2000			
	7.	WO-00/71728	11/2000			

\*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	8.	BERKA et al., Applied and Environ. Biol. (1998) 64:4423-4427	
	9.	BOQUET et al., J. of Bacteriology (1987) 169:1663-1669	
	10.	CASEY and WALSH, J. Biotechnol. (2004) 110:313-322	
	11.	DELAGRAVE et al., Protein Eng. (1993) 6:327-331	
	12.	DELAGRAVE et al., Nature Biotech. (1993) 11:1548-1552	
	13.	KEROVUO et al., Applied and Environ. Biol. (1998) 64:2079-2085	
	14.	LIM et al., Nature Structural Biology (2000) 7:108-113	
	15.	NCBI GenBank entry AAB96873 phytase	
	16.	NCBI GenBank entry AAA16898 phytase	
	17.	NCBI GenBank entry AAB26466 phytase	
	18.	NCBI GenBank entry AAB96871 phytase	
	19.	OH et al., Abstracts of the General Meeting of the American Society for Microbiology (2000) 100:499-500	
	20.	PEN et al., Biotechnology (1993) 11:811-814	
	21.	RODRIGUEZ et al., Archives of Biochemistry and Biophysics (1999) 365:262-267	
	22.	RODRIGUEZ et al., Archives of Biochemistry and Biophysics (2000) 382:105-112	
	23.	VAN HARTINGSVELDT et al., Gene (1993) 127:87-94	
	24.	WITKOWSKI et al., Biochemistry (1999) 38:11643-11650	

Examiner Signature		Date Considered	
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sd-263059

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/601,319
				Filing Date	June 20, 2003
				First Named Inventor	Jay M. SHORT
				Art Unit	1652
				Examiner Name	D. M. Ramirez
Sheet	2	of	2	Attorney Docket Number	564462001824

	25.	WODZINSKI and ULLAH, "Phytase," in Advantages in Applied Microbiology, Academic Press Inc., Vol. 42, (1996) pp. 263-302	
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\*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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